

Name(s) of Risk Team Members: J. Durnan, C. Porretto, M. Anerella, T. Dilgen, R. Ceruti				Point Value → Parameter ↓		1		2		3		4		5			
Job Title: Mechanical Technicians Job Number or Job Identifier: JRA 30-05				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift			
Job Description: Preparation and Loading of Typical LHC Magnet for shipping to CERN				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability			
Training and Procedures List (optional): .				Likelihood (D)		Extremely Unlikely		Unlikely		Possible		Probable		Multiple			
Approved by: E. Lessard Date: 11-13-05 Rev. #: 0																	
Stressors (if applicable, please list all): Working in tight quarters.				Reason for Revision (if applicable):						Comments:							
				Before Additional Controls									After Additional Controls				
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Manually remove restraints from shipping container	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Back Safety Training	Y	1	2	4	3	24									
Moving magnet to Prep Stand (rigging)	Getting struck by dropped load or hitting other objects or people with load while moving.	Training; Equipment; 2 – man job	N	2	2	5	1	20									
Moving magnet to Prep Stand (rigging)	Falls to same level.	2-man job; Training	N	2	2	2	1	8									
Moving magnet to Prep Stand (rigging)	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Back Safety Training; 2-man job; Equipment	N	2	2	3	1	12									
Manually lift post support onto table.	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Back safety Training; 2- man job	N	2	2	2	3	24									

Install post support and torque bolts	Ergonomics - overexertion	Proper tools; Training	N	1	2	2	2	8								
Move end restraints into position using crane	Getting struck by dropped load or hitting other objects or people with load while moving.	Training; Equipment; 2 – man job	N	2	2	3	2	24								
Move end restraints into position using crane	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Training; Equipment; 2 – man job	N	2	2	3	2	24								
Install end restraints and torque bolts	Ergonomics – repetitive motion	Proper tools; Training	N	1	2	2	2	8								
Lift magnet and move into container using crane	Getting struck by dropped load or hitting other objects or people with load while moving.	Training; Equipment; 2 – man job	N	4	2	5	1	40								
Install container roof supports	Struck by falling object	Training; Equipment; 2 – man job	N	2	2	3	3	36								
Install container roof supports	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying	Training; Equipment; 2 – man job	N	2	2	3	3	36								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20	21 to 40			41-60				61 to 80				81 or greater			
	Negligible	Acceptable			Moderate				Substantial				Intolerable			